

## **REMARKS**

Claims 43-48, 51-67 and 70-88 are now pending in the application. Applicant would like to thank the Examiner for the thorough consideration given to the present application and the courtesies extended to applicant's representative during a telephone interview on December 14, 2007. During that interview, the Examiner indicated that the arguments as set forth below would overcome the pending rejections but may require further consideration. The Examiner is respectfully requested to reconsider and withdraw the rejection(s) in view of the amendments and remarks contained herein.

### **REJECTION UNDER 35 U.S.C. § 103**

Claims 43-48, 51-57 and 59-61 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Oh in view of U.S. Patent No. 5,509,105 (Roenker). This rejection is respectfully traversed.

Applicant's claimed invention is directed generally to a self-programmable chip. Of note, Claim 43 recites that each synaptic cell in an array of synaptic cells stores weights for the cell locally in a capacitor and locally in a digital memory in combination with other elements of the claim. Independent claims 62 and 81 recite similar subject matter. In contrast, Oh does not teach or suggest storing weights locally in a cell in a digital memory. As discussed with the Examiner, Oh is deficient in this manner. In addition, Roenke does not cure this deficiency. For at least this reason, we feel that the pending claims are patentably distinct from the relied upon reference. Accordingly, Applicants respectfully request the Examiner reconsider and withdraw these rejections.

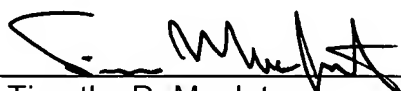
## CONCLUSION

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance.

Prompt and favorable consideration is respectfully requested. If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (248) 641-1600.

Respectfully submitted,

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